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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,407	09/14/2005	Junbiao Zhang	PU030084	1695

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EXAMINER

CHEN, SHIN HON

ART UNIT	PAPER NUMBER
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2431

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/549,407	Applicant(s) ZHANG ET AL.	
	Examiner SHIN-HON CHEN	Art Unit 2431	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-31 have been examined.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Luo U.S. Pub. No. 20030169713 (hereinafter Luo).

4. As per claim 1 and 5, Luo discloses a method for enabling a client terminal to access a wireless network, comprising the steps of: receiving an access request from the client terminal (Luo: [0037]: access request); redirecting the access request to a local web server via a packet filter for filtering packet traffic (Luo: [0018]: the web-based authentication server; [0037]-[0038]: if the client is in limited state, the client is redirected to the authentication server by the packet traffic filter); requesting from the client terminal, information to establish client terminal access to the wireless network (Luo: [0043]: submitting credential to establish connection to network); activating, in response to the client terminal access information received from the client terminal, a module that reconfigures the client terminal for authentication using appropriate parameters associated with a configuration arrangement selected by a user (Luo:

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[0018]: refer to other accounts that the user has; [0045]: java applet/appropriate parameters used to connect to wireless network); and authenticating the reconfigured client terminal and allowing access to the wireless network in response to the authentication (Luo: [0045]: grant access after applet is activated).

5. As per claim 2 and 6, Luo discloses the method of claims 1 and 5 respectively. Luo further discloses wherein the wireless network is an IEEE 802.11 compliant wireless local area network (WLAN), and the client terminal is an IEEE 802.1x compliant client terminal (Luo: [0035]: 802.11x).

6. As per claim 3, Luo discloses the method of claim 2. Luo further discloses wherein the activating step comprises activating an Active X control/plugin installed on the client terminal (Luo: [0018] and [0045]).

7. As per claim 4, Luo discloses the method of claim 2. Luo further discloses wherein the activating step comprises downloading to, and activating in, the client terminal an Active X control/plugin (Luo: [0045]: java applet).

8. As per claim 7, Luo discloses a method for configuring a client terminal to provide secure access in a wireless network, comprising the steps of: filtering traffic associated with an HTTP request from the client terminal for access to the wireless network, redirecting the request to a designated web server, and issuing a provider list web page and request from the designated web

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server to the client terminal for provider selection information to establish an authorized communication (Luo: [0018] and [0037]-[0038]: redirected to the web authentication server if connection is not established).

9. As per claim 8, Luo discloses the method of claim 7. Luo further discloses wherein the wireless network is an IEEE 802.11 compliant wireless local area network and the client terminal is an IEEE 802.1x compliant client terminal (Luo: [0018]: 802.11x).

10. As per claim 9, Luo discloses the method of claim 7. Luo further discloses the step of the receiving from the client terminal and communicating to the designated web server information required to establish an authorized connection (Luo: [0043]: credential).

11. As per claim 10, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the designated web server and communicating to the client terminal access rate information required to establish an authorized communication (Luo: [0018]: create new account; [0043]: provide information to server).

12. As per claim 11, Luo discloses the method of claim 7. Luo further discloses receiving from the designated web server and communicating to the client terminal access user account creation information required to establish an authorized communication (Luo: [0018]: open new account).

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13. As per claim 12, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the designated web server and communicating to the client terminal access authentication method selection information required to establish an authorized communication (Luo: [0044]: positive acknowledgement page).

14. As per claim 13, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the designated web server and communicating to the client terminal new account creation information required to establish an authorized communication (Luo: [0018]: create new account).

15. As per claim 14, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the designated web server and communicating to the client terminal access user terms and conditions of acceptance information required to establish an authorized communication (Luo: [0018]; [0043]: authentication page).

16. As per claim 15, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the client terminal and communicating to the designated web server access rate information required to establish an authorized communication (Luo: [0018]).

17. As per claim 16, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the client terminal and communicating to the designated web server user account

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creation data required to establish an authorized communication (Luo: [0018]: create new account).

18. As per claim 17, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the client terminal and communicating to the designated web server user access authentication method selection information required to establish an authorized communication (Luo: [0042]: the authentication page support various user authentication methods).

19. As per claim 18, Luo discloses the method of claim 7. Luo further discloses the step of receiving from the client terminal and communicating to the designated web server acceptance of the user access terms and conditions required to establish an authorized communication (Luo: [0043]-[0044]).

20. As per claim 19, Luo discloses the method of claim 8. Luo further discloses whereby the browser program is an ActiveX control (Luo: [0045]: Java applet).

21. As per claim 20, Luo discloses the method of claim 8. Luo further discloses whereby the browser program is a plug-in (Luo: [0045]: Java applet).

22. As per claim 21, Luo discloses a mobile terminal, comprising: means for receiving an extended authentication protocol request identification message packet (Luo: [0018]: EAP protocols); means for forwarding an extended authentication protocol response identity message

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packet (Luo: [0018]: local EAP authentication); means for receiving an extended authentication protocol failure message packet (Luo: [0023]: the connection is limited or blocked due to repeated authentication failure); means for forwarding a web re-direct request (Luo: [0018]: web server initiate user-to-network authentication; [0037]-[0038]: redirecting the user to web-based authentication server is the state is limited); means for receiving a provider list web page; means for selecting a provider and forwarding said selected provider information (Luo: [0018]: user can refer to authentication server for which the user has account); means for receiving an ActiveX control message to re-configure said mobile terminal (Luo: [0018]: receiving applet); and means for reconfiguring said mobile terminal and establishing authorized communications (Luo: [0018]: applet will be used to provide authentication for consequent communication).

23. As per claim 22, Luo discloses the method as recited in claim 1. Luo further discloses creating a plurality of operating states, said packet traffic filter receiving wireless local area network state information from said access point (Luo: [0022]-[0023]: every access point maintains a routing state table to indicate whether packet will be forwarded for respective wireless terminal).

24. As per claim 23, Luo discloses the method as recited in claim 5. Luo further discloses creating a plurality of operating states, said packet traffic filter receiving wireless local area network state information from said access point (Luo: [0022]-[0023]: every access point maintains a routing state table to indicate whether packet will be forwarded for respective wireless terminal).

25. As per claim 24, Luo discloses an access point associated with a communications network, comprising: means for forwarding an extended authentication protocol request identification message packet (Luo: [0018]: EAP protocol is used for link layer authentication; [0042]: the authentication server sends the EAP identification message/HTTP response message to prompt user to enter identification information through the access point); means for receiving an extended authentication protocol response identity message packet (Luo: [0043]: sends back the response message/HTTP response containing the credential); means for forwarding an extended authentication protocol failure message packet to a client terminal responsive to a state failure (Luo: [0023]: the state is set to limited if the authentication is failed); means for receiving a re-direct client request from said forwarding means at a packet filter module responsive to said state failure (Luo: [0037]-[0038]: redirect to authentication server if the state is limited); alternative means for receiving a request for access to a communications network at said packet filter module responsive to said state failure (Luo: [0023] routing state table); and means for forwarding a web re-direct request via said packet filter module and for establishing authorized communications following successful reconfiguration responsive to authentication (Luo: [0023]: the state is normal, access is granted).

26. As per claim 25, Luo discloses the method of claim 1. Luo further discloses detecting a state failure (Luo: [0023]: detecting whether the state is blocked or limited); and redirecting the access request to a local web server via said packet traffic filter responsive to one of the packet traffic filter receiving a redirect client request and of receiving a web access request from said

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client terminal after detection of said state failure (Luo: [0037]-[0038]: redirect the request for authentication to authentication server if state is not normal).

27. As per claim 26, Luo discloses the method of claim 5. Luo further discloses detecting a state failure (Luo: [0023]: detecting whether the state is blocked or limited); and redirecting the access request to a local web server via said packet traffic filter responsive to one of the packet traffic filter receiving a redirect client request and of receiving a web access request from said client terminal after detection of said state failure (Luo: [0037]-[0038]: redirect the request for authentication to authentication server if state is not normal).

28. As per claim 27, Luo discloses the method of claim 7. Luo further discloses detecting a state failure responsive to receipt of an EAP response identity packet and to receipt of a RADIUS access request reject message (Luo: [0023]: detecting whether the state is blocked or limited); and redirecting the access request to a local web server via said packet traffic filter responsive to one of the packet traffic filter receiving a redirect client request and of receiving a web access request from said client terminal after detection of said state failure (Luo: [0037]-[0038]: redirect the request for authentication to authentication server if state is not normal).

29. As per claim 28, Luo discloses the method of claim 1. Luo further discloses wherein said information to establish client terminal access to the wireless network comprises provider selection information responsive to receipt of a provider list web page at the client terminal from said local web server (Luo: [0014]).

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30. As per claim 29, Luo discloses the access point of claim 5. Luo further discloses wherein said information to establish client terminal access to the wireless network comprises provider selection information responsive to receipt of a provider list web page at the client terminal from said local web server (Luo: [0014]).

31. As per claim 30, Luo discloses the mobile terminal according to claim 21. Luo further discloses wherein said provider list web page and said ActiveX control/plugin are received from a local web server in response to receipt of a web request redirect message from an access point (Luo: [0018]).

32. As per claim 31, Luo discloses the access point according to claim 24. Luo further discloses wherein said designated web server transmits and ActiveX control/plugin are received from a local web server in response to receipt of a web request redirect message from an access point (Luo: [0018]).

Response to Arguments

33. Applicant's arguments filed on 7/14/08 have been fully considered but they are not persuasive.

Regarding applicant's remarks, applicant argues that the prior art of record does not explicitly disclose packet filter for filtering packet traffic. However, the examiner disagrees. In section [0023], Luo discloses that certain packets are allowed to pass through while others are

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filtered based on state information. Therefore, the examiner has interpreted the limitation is a broadest reasonable manner and the prior art appears to disclose “filtering packet traffic” by providing filtering functionality at the access point to filter certain frames and packets.

34. On the other hand, applicant appears to argue on limitations that are not deemed to disclose inventive concept. Although Luo does not provide word-for-word disclosure of certain claimed limitation, Luo discloses inherent and underlying functionality as claimed by applicant. Furthermore, applicant mainly argues that the prior art of record discloses non-standard protocol rather than standard protocol and argues that the difference can be demonstrated by referring to the Specification. However, the examiner rejected the claims based on broadest reasonable interpretation and the claims are not deemed to overcome the prior art of record.

Conclusion

35. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHIN-HON CHEN whose telephone number is (571)272-3789.

The examiner can normally be reached on Monday through Friday 8:30am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ayaz R. Sheikh/
Supervisory Patent Examiner, Art Unit 2431

Shin-Hon Chen
Examiner
Art Unit 2431

S.C.